

PS claim 4; Page 34; 50pp; English.

XX Indolicidin is a potent antimicrobial tridecapeptide, originally puri-
 CC fied from cytoplasmic granules of bovine neutrophils. Rev4 (reverse
 CC indolicidin) with a C-terminal extension of 13 amino acids
 CC was found to have increased stability against plant protease degradat-
 CC ion as well as potent antifungal activity. Expression of antimicrobial
 CC peptides in transgenic plants suffers a major limitation in that the
 CC foreign peptides are susceptible to rapid degradation by proteases. T-
 CC invention concerns reducing the extent of protease degradation of a
 CC protein applied to, or produced by a plant by administering indolicidin
 CC Rev4 or a functional equivalent to the plant. Transgenic plants
 CC expressing indolicidin and Rev4 are useful for production of the
 CC antimicrobial peptides. Compositions containing indolicidin and Rev4
 CC also useful for production of agronomically important proteins in pla-
 CC XX

SQ Sequence 26 AA;

Query Match 100.0%; Score 183; DB 21; Length 26;
 Best Local Similarity 100.0%; Pred. No. 3. 9e-14; Indels 0; Gaps
 Matches 26; Conservative 0; Mismatches 0;

Qy 1 RRPWPKWPKWPKLGGYVPPPPPPP 26
 Db 1 rrwpwpmwkwpliggydappppppp 26

RESULT 2

ID AAY92796

ID AAY92796 standard; peptide; 13 AA.

XX

AC AAY92796;

XX

DT 29-AUG-2000 (first entry)

DE Synthetic antimicrobial peptide, indolicidin reverse peptide, Rev4-an
 XX
 KW Magainin; antimicrobial; transgenic plant; protease degradation; Rev4
 KW indolicidin; protein production; reverse peptide.

XX OS Synthetic.

XX

FH Location/Qualifiers

FT 13

FT /note= "amidated"

FT

XX

PN WO200026344-A1.

XX

PD 11-MAY-2000.

XX

PF 29-OCT-1999; 99WO-US25561.

XX

PR 30-OCT-1998; 98US-0106373.

PR 02-NOV-1998; 98US-010637.

XX

PA (INTE-) INTERLINK BIOTECHNOLOGIES LLC.

PA (KENT) UNIV KENTUCKY RES FOUND.

XX

PI Everett, NP, Li, Q, Lawrence, C, Davies, MH;

XX

DR WPI; 2000-365597/31.

XX

DR N-FSDB; AAA28510.

PS Claim 28; Page 34; 50pp; English.

XX

Indolicidin is a potent antimicrobial tridecapeptide, originally puri-
 CC fied from cytoplasmic granules of bovine neutrophils. Reverse
 CC

CC also useful for production of agronomically important proteins in
 CC plants.
 CC Best Local Similarity 54.1%; Score 99; DB 21; Length 13;
 XX Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SQ Sequence 13 AA;

Query Match 54.1%; Score 99; DB 21; Length 13;
 Best Local Similarity 100.0%; Pred. No. 4.2e-05; Mismatches 0; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SQ Sequence 13 AA;

RESULT 4
 QY 1 RRPWPKWPKWPLI 13
 Db 1 rrwppwpkwpkpli 13

Query Match 54.1%; Score 99; DB 21; Length 13;
 Best Local Similarity 100.0%; Pred. No. 4.2e-05; Mismatches 0; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SQ Sequence 13 AA;

RESULT 4
 QY 1 RAY92797 13
 ID RAY92797 standard; Peptide: 14 AA.
 XX
 AC RAY92797;
 XX
 DT 29-AUG-2000 (first entry)
 XX
 DE Synthetic antimicrobial peptide; Ser-Rev4-OH.
 XX
 KW Magainin; antimicrobial; transgenic plant; protease degradation; Rev4;
 KW indolicidin; protein production; reverse peptide.
 OS Synthetic.
 XX
 PN WO200026344-A1.
 XX
 PD 11-MAY-2000.
 XX
 PF 28-OCT-1999; 99WO-US25561.
 XX
 PR 30-OCT-1998; 98US-0106373.
 PR 02-NOV-1998; 98US-0106537.
 XX
 PA (INTE-) INVERLINK BIOTECHNOLOGIES LLC.
 PA (KENT) UNIV KENTUCKY RES FOUND.
 XX
 PI Everett NF, Li Q, Lawrence C, Davies MH;
 XX
 DR WPI; 2000-365597/31.
 XX
 PT Polypeptides for reducing proteolytic degradation of proteins
 PT administered to, or produced by a plant comprise indolicin or its
 PT functional equivalents
 XX
 PS Claim 3; Page 34; 50pp; English.
 XX
 CC Indolicidin is a potent antimicrobial tridecapeptide, originally purified
 CC from cytoplasmic granules of bovine neutrophils. A non C-terminal amide
 CC analogue of Rev4 (reverse indolicidin) with an additional N-terminal Ser
 CC was found to have increased stability against plant protease degradation
 CC as well as potent antifungal activity. Expression of antimicrobial
 CC peptides in transgenic plants suffers a major limitation in that the
 CC foreign peptides are susceptible to rapid degradation by proteases. The
 CC invention concerns reducing the extent of protease degradation of a
 CC protein applied to, or produced by a plant by administering indolicidin,
 CC Rev4 or a functional equivalent to the plant. Transgenic plants
 CC expressing indolicidin and Rev4 are useful for production of the
 CC antimicrobial peptides. Compositions containing indolicidin and Rev4 are
 CC also useful for production of agronomically important proteins in plants.
 XX
 SQ Sequence 14 AA;

Query Match 54.1%; Score 99; DB 22; Length 15;
 Best Local Similarity 100.0%; Pred. No. 4.8e-05; Mismatches 0; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SQ Sequence 15 AA;

Query Match 54.1%; Score 99; DB 22; Length 15;
 Best Local Similarity 100.0%; Pred. No. 4.8e-05; Mismatches 0; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SQ Sequence 15 AA;

RESULT 5
 QY 1 RRPWPKWPKWPLI 13
 ID RAB97449 standard; Protein: 15 AA.
 XX
 AC RAB97449;
 XX
 DT 31-JUL-2001 (first entry)
 XX
 DE Peptide nucleic acid peptide fragment #17.
 KW Peptide nucleic acid; PNA; antibiotic; antisense; enterococcus;
 KW Staphylococcus aureus; Escherichia coli; infectious disease;
 KW disinfectant; cationic peptide; linker.
 OS Synthetic.
 XX
 PN WO200127261-A2.
 XX
 PD 19-APR-2001.
 XX
 PR 13-OCT-2000; 2000WO-DK00580.
 XX
 PR 13-OCT-1999; 99DK-0001467.
 PR 13-OCT-1999; 99DK-0001471.
 PR 15-OCT-1999; 99US-0159679.
 PR 15-OCT-1999; 99US-0159684.
 PR 03-DEC-1999; 99DK-0001734.
 PR 03-DEC-1999; 99US-001735.
 PR 28-MAR-2000; 2000DK-0000522.
 PR 19-APR-2000; 2000DK-0000670.
 PR 19-APR-2000; 2000DK-0000671.
 PR 14-JUN-2000; 2000US-0211435.
 PR 14-JUN-2000; 2000US-0211758.
 PR 14-JUN-2000; 2000US-0211878.
 XX
 PA (PANT-) PANTHECO AS.
 XX
 PI Nielsen PE, Good L, Hansen HF, Beck F, Malik L, Schou C;
 PI Wissenbach M, Giverman BK;
 XX
 DR WPI; 2001-273770/28.
 XX
 PT New modified peptide nucleic acids and oligonucleotides, useful for
 PT treating and preventing bacterial infections and disinfecting
 PT non-living objects -
 XX
 PS Claim 15; Page 11; 81pp; English.
 XX
 CC The present invention provides the sequences of a number of peptide
 CC nucleic acids (PNAs) joined by linker sequences. These are capable of
 CC crossing bacterial cell walls due to the presence of the linker. The PNAs
 CC can be used as antimicrobial agents, particularly as antibiotics against
 CC E. coli, vancomycin-resistant enterococci and Staphylococcus aureus. The
 CC present sequence is the peptide fragment of a PNA of the invention. The
 XX
 SQ Sequence 15 AA;

Query Match 54.1%; Score 99; DB 22; Length 15;
 Best Local Similarity 100.0%; Pred. No. 4.8e-05; Mismatches 0; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SQ Sequence 15 AA;

RESULT 6

AAY9240
 ID AAY9240 standard; Protein; 68 AA.
 XX
 AC AAY9240;
 XX
 DT 29-AUG-2000 (first entry)
 XX
 DE Rev4-PR-1b fusion.
 XX
 KW Magainin; antimicrobial; transgenic plant; protease degradation; Rev4;
 KW Indolicidin; protein production; reverse peptide; s.s.
 XX
 OS Synthetic.
 XX
 WO200026344-A1.
 XX
 PD 11-MAY-2000.
 XX
 PF 29-OCT-1999; 99WO-US25561.
 XX
 PR 30-OCT-1998; 98US-0106373.
 PR 02-NOV-1998; 98US-0106537.
 XX
 PA (INTE-) INTERLINK BIOTECHNOLOGIES LLC.
 PA (KENT) UNIV KENTUCKY RES FOUND.
 XX
 PI Everett NP, Li Q, Lawrence C, Davies MH;
 DR WPI; 2000-365597/31.
 DR N_P5DB; AAI28519.
 XX
 PT Polypeptides for reducing proteolytic degradation of proteins
 . PT administered to, or produced by a plant comprise Indolicidin or its
 functional equivalents
 XX
 PS Disclosure; Page 35-36; 50pp; English.
 XX
 CC Indolicidin is a potent antimicrobial tridecapeptide, originally
 purified from cytoplasmic granules of bovine neutrophils. Reverse
 peptide, Rev4 of Indolicidin (see AAY92794) was found to have increased
 stability against plant protease degradation. Expression of antimicrobial
 peptides in transgenic plants suffers a major limitation in that the
 foreign peptides are susceptible to rapid degradation by proteases. The
 invention concerns reducing the extent of protease degradation of a
 protein applied to, or produced by a plant by administering Indolicidin,
 Rev4 or a functional equivalent to the plant. Transgenic plants
 expressing Indolicidin and Rev4 are useful for producing the
 antimicrobial peptides. Compositions containing Indolicidin and Rev4 are
 also useful for production of agronomically important proteins in
 plants.
 CC
 CC Sequence 68 AA;
 SQ Sequence 68 AA;
 Query Match 54.1%; Score 99; DB 21; Length 68;
 Best Local Similarity 100.0%; Pred. No. 0.00021;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 RRWWMPPWWPLI 13
 Db 56 rrwpmppkwppli 68
 RESULT 7
 AAY8137
 ID AAY8137 standard; peptide; 15 AA.
 AC AAY8137;
 XX
 DT 07-MAR-2000 (first entry)
 XX
 DE Gonadotropin releasing hormone (GnRH) peptide analogue 1.
 XX

KW Gonadotropin releasing hormone; GnRH; leukotoxin; LKT; fusion protein;
 KW antibody; immunogenic; chimeric; vaccine; testosterone; androgenic;
 KW non-androgenic; steroid; reduction; weight gain; muscle distribution;
 KW fat distribution; male pattern; boar taint; flavour; impairment;
 KW reliable; immunocastration; meat production.
 XX
 OS Synthetic.
 XX
 FH
 FT Key Location/Qualifiers
 FT Misc-difference 1-6
 FT /Note= "D-form residues"
 FT Modified-site 15
 FT /note= "C-terminally conjugated to ethyl amide"
 FT
 XX
 PN WO9956771-A2.
 XX
 PD 11-NOV-1999.
 XX
 PF 05-MAY-1999; 99WO-CA0360.
 XX
 PR 05-MAY-1998; 98US-0084217.
 XX
 PA (BIOS-) BIOSTAR INC.
 XX
 PI Manns JG, Acres SD, Harland R;
 XX
 DR WPI; 2000-062125/05.
 XX
 PT Production of uncastrated male food animals using vaccines -
 XX
 PS Disclosure; Page 11; 87pp; English.
 XX
 CC Sequences AAY8136-Y58141 represent gonadotropin releasing hormone
 (GnRH) analogues which may be used as an alternative to sequence
 AAY8135 in embodiments of the present invention. The invention
 relates to a method of using two GnRH immunogen vaccines to produce
 uncastrated male animals for meat production, one vaccination prior to
 CC or during the fattening period to reduce circulating testosterone
 CC levels, and the second vaccination about 2-8 weeks before slaughter to
 CC substantially reduce androgenic and/or non androgenic steroids. The
 CC invention is used to produce food animals that exhibit the weight gain
 CC and muscle/fat distribution of male animals without the problems
 CC associated with male animals. Such problems include "boar taint", a
 CC urine-like odour found in cooked meat of uncastrated pigs which is
 CC caused by steroids stored in the tissues, and similar flavour
 CC impairments in the meat of other intact male animals. The invention is
 CC more reliable than prior art immunocastration techniques.
 XX
 SQ Sequence 15 AA;
 Query Match 42.9%; Score 78.5; DB 21; Length 15;
 Best Local Similarity 54.5%; Pred. No. 0.0091; 3; Mismatches 7; Indels 7; Gaps 1;
 Matches 12; Conservative 0;
 Qy 5 WWPWKPKLIGGGDAPPAPP 26
 Db 1 wwwwwp-----pppppp 15

RESULT 8
 AAW13809
 ID AAW13809 standard; peptide; 14 AA.
 XX
 AC AAW13809;
 XX
 DT 10-DEC-1997 (first entry)
 XX
 DE Antimicrobial cationic peptide CP-13.
 XX
 KW Bacterial; viral; antitumour; food; preservative; inhibitor; growth;
 KW bacterium; yeast; endotaxam; sepsis; antibiotic; fungal;
 KW antiviral; Candida albicans; sterilant; Salmonella; Yersinia;

KW Shigella.
 XX OS Synthetic.
 XX PN WO9708199-A2.
 XX PD 06-MAR-1997.
 XX PF 23-AUG-1996; 96WO-IB00996.
 XX PR 23-AUG-1995; 95US-0002687.
 XX PA (UYBR-) UNIV BRITISH COLUMBIA.
 XX PI Falla TJ, Gough M, Hancock REW;
 XX DR WPI; 1997-179179/16.
 PT Cationic peptide(s) having anti-microbial activity - used for the inhibition of bacterial and viral growth, as an antitumour agent, PT and as a food preservative
 XX PS Claim 8; Page 68; 89pp; English.
 CC The present sequence represents a specifically claimed novel isolated cationic peptide which has antimicrobial activity. The amino acid sequence of antimicrobial cationic peptides (including the present sequence) is selected from: X1X1Prox2X3XProx2X2Pro(x5)o; CC X1X1Prox2X3X4(X5)oProx2X3X3; X1X1X3(ProTrp)uX3X2X5X2X45X2(X5)o; CC X1X1X3X3X2Pro(x2X2Pro)nX2(X5)m; where m = 1-5; n = 1-2; o = 2-5; r = 0-8; u = 0-1; X1 = Ile, Leu, Val, Phe, Tyr, Trp or Met; X2 = Trp or Phe; X3 = Arg or Lys, X4 = Trp or Lys; and X5 = Phe, Trp, Arg, Lys or Pro. The peptides are preferably amidated or carboxymethylated. The peptides may be used in methods for inhibiting the growth of a bacterium or yeast, or for inhibiting an endotoxaemia or sepsis associated disorder in a subject. The peptides have a broad activity against antibiotic resistant bacteria, combined with activity against the medically important fungus *Candida albicans*. In addition, the peptides are useful as antitumour agents and/or antiviral agents. The peptides may be used as sterilants or preservatives of materials susceptible to microbial or viral contamination, e.g. in processed foods to inhibit *Salmonella*, *Yersina* and *Shigella*. The peptides are compact and tend to have a unique polyproline type II extended helix structure that permits them to span the membrane with relatively few amino acids. The peptides possess the ability to work synergistically with antibiotics, and in addition, some of them possess anti-endotoxin activity.
 CC
 XX Sequence 14 AA:
 Query Match 42.6%; Score 78; DB 18; Length 14;
 Best Local Similarity 80.0%; Pred. No. 0.0097; Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
 QY 1 RKKWPWWK 10
 DB 3 kkwpwwpwkw 12
 RESULT 9
 AAW13801 ID AAB97443 standard; peptide; 15 AA.
 XX AC AAW13801;
 XX DT 10-DEC-1997 (first entry)
 XX DE Antimicrobial cationic peptide CP-27.
 XX
 Query Match 41.0%; Score 75; DB 18; Length 15;
 Best Local Similarity 70.0%; Pred. No. 0.022; Matches 7; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
 QY 1 RRWPWWPKW 10
 DB 3 kkwpwwpwkw 12
 RESULT 10
 AAB97443 ID AAB97443 standard; Protein; 11 AA.
 XX AC AAB97443;
 XX DT 31-JUL-2001 (first entry)
 XX DE Peptide nucleic acid peptide fragment #11.
 XX KW Peptide nucleic acid; RNA; antibiotic; antisense; enterococcus;
 KW Staphylococcus aureus; Escherichia coli; infectious disease;
 KW disinfectant; cationic peptide; linker.
 XX OS Synthetic.

XX	Key	Location/Qualifiers
XX	FH	Modified-site
XX	FT	/label= OTHER
XX	FT	/note= "Optionally linked to AAF89184 by Cys
XX	FT	-succinimidyl 4(N-maleimidomethyl)cyclohexane-1
XX	PN	-carboxylate-8-amino-3,6-dioxaoctanoic acid"
XX	PD	WO200127261-A2.
XX	PD	19-APR-2001.
XX	PF	13-OCT-2000; 2000WO-DK00580.
XX	PR	13-OCT-1999; 99DK-0001467.
XX	PR	13-OCT-1999; 99DK-0001471.
XX	PR	15- OCT-1999; 99US-0159679.
XX	PR	15-OCT-1999; 99US-0159684.
XX	PR	03-DEC-1999; 99DK-0001734.
XX	PR	03-DEC-1999; 99DK-0001735.
XX	PR	28-MAR-2000; 2000DK-000322.
XX	PR	19-APR-2000; 2000DK-000570.
XX	PR	19-APR-2000; 2000DK-000571.
XX	PR	14-JUN-2000; 2000US-021135.
XX	PR	14-JUN-2000; 2000US-021158.
XX	PR	14-JUN-2000; 2000US-0211878.
XX	PA	(REGC) UNIV CALIFORNIA.
XX	PI	Seisted ME;
XX	DR	WPI; 1995-302552/39.
XX	PR	16-FEB-1994; 94US-0197205.
XX	CC	The sequences represented by AAR78454-R78459 are indolicidin analogues.
CC	CC	These analogues exhibit broad spectrum antimicrobial activity and have
CC	CC	antimicrobial selectivity when compared to naturally occurring
CC	CC	indolicidin. The antimicrobial activity of these analogues can be
CC	CC	altered by incorporation of D-form, chemically altered or synthetic
CC	CC	composition (e.g. as a liposome or non-liposome lipid complex carrier)
CC	CC	for use in a microbial method. These sequences are active against
CC	CC	Gram positive and negative bacteria, protozoa, yeast, fungi and viruses.
CC	CC	They can be used as therapeutic agents, prophylactics, food
CC	CC	preservatives, disinfectants or medications. These sequences are easily
CC	CC	synthesised in an active and effective broad spectrum antimicrobial form
CC	CC	with decreased undesirable side effects. Compared to naturally occurring
CC	CC	indolicidin, these analogues show increased antimicrobial and decreased
CC	CC	haemolytic activity. Peptide stability, and period of activity within
CC	CC	the cell can be increased or decreased according to the incorporation of
XX	Db	D- or L-form amino acids.
XX	SQ	Sequence 13 AA;
XX	Query Match	39.9%; Score 73; DB 22; Length 11;
XX	Best Local Similarity	100.0%; Pred. No. 0.028;
XX	Matches	0; Mismatches 0; Indels 0; Gaps 0;
Qy	1	RRWPWNPK 9
Qy	2	10
Db	2	RTWPWWPKW 10
RESULT	11	
ID	AAR78454	standard; peptide: 13 AA.
XX	AAR78454	standard; peptide: 13 AA.
AC	AAR78454;	
XX	25-MAR-1996	(first entry)
DT	DE	Indolicidin analog #1.
XX	DE	Indolicidin; bacterial infection; photo-oxidised solubiliser;
DE	KW	antimicrobial; antibiotic; antiarrhythmic; surface disinfectant;
XX	KW	food preservative; disinfectant; medication; Gram positive bacteria;
KW	KW	Gram negative bacteria; protozoa; yeast; fungi; viruses.
XX	OS	Synthetic.
XX	OS	Synthetic.
XX	Query Match	39.9%; Score 73; DB 16; Length 13;
XX	Best Local Similarity	77.8%; Pred. No. 0.032;
XX	Matches	7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Oy	2	RWPWNPKW 10
Db	5	kwpwwpwtw 13
RESULT	12	
ID	AY24549	standard; peptide: 13 AA.
XX	AY24549	standard; peptide: 13 AA.
AC	AY24549;	
XX	AY24549;	
XX	18-AUG-1999	(first entry)
XX	DE	Indolicidin analogue #1.
XX	KW	Indolicidin; bacterial infection; photo-oxidised solubiliser;
KW	KW	antimicrobial; antibiotic; antiarrhythmic; surface disinfectant;
KW	KW	food preservative; disinfectant; medication; Gram positive bacteria;
KW	KW	Gram negative bacteria; protozoa; yeast; fungi; viruses.
XX	OS	Synthetic.

PN WO9807745-A2.
 XX
 PN WO965506-A2.
 PD 26-FEB-1998.
 XX
 XX
 PR 21-AUG-1997; 97WO-US14779.
 XX
 PR 13-JAN-1997; 97US-0034949.
 PR 21-AUG-1996; 96US-0024754.
 XX
 PA (MICR-) MICROLOGIX BIOTECH INC.
 XX
 PI Erfle D, Fraser JR, Krieger TJ, Taylor R, West MH;
 DR XX
 WPI; 1998-169090/15.
 XX
 PT New indolicidin analogues with antimicrobial activity and related
 PT nucleic acid - vectors, transformed cells and antibodies, also
 PT conjugates with polyoxyalkylene glycol and fatty acid to reduce
 PT toxicity, useful therapeutically, as disinfectants etc.
 XX
 PS Claim 11; Page 88; 129pp; English.
 XX
 CC AAY24549 to AAY24615 represent indolicidin analogues of formulae
 CC (I)-(VIII) containing up to 25 amino acids (aa): RxXXXXXB
 CC (II), BBBXXZXXXB (III), BXZXXXB(BB)(AA)nMILBAGS (IV), BXZXXZXB
 CC (V), LBHXXZXXNRR (VI), LKNZXXZKRR (VII) and BBZXXZXXBB (VIII).
 CC Where Z = P or V; X = hydrophobic residue, preferably W; B = basic aa;
 CC preferably R or K; AA = any aa; n = 0 or 1; in (III), at least 1 Z = V;
 CC in (VIII), at least 2 X = F or Y. The analogues are used to treat
 CC infections caused by bacteria (Gram positive or negative, or anaerobic);
 CC fungi (yeast or moulds); parasites (protozoa, nematodes, cestodes or
 CC trematodes) or viruses. Typical of very many pathogens that can be
 CC controlled are Leishmania, Trypanosoma, Ascaris lumbricoides, fasciola
 CC hepatica, Klebsiella pneumoniae, Bordetella Pertussis, Staphylococcus
 CC aureus, Listeria, Clostridium, rotavirus and Papilloma virus. Compounds
 CC derived from the analogues may be used similarly; the compounds may
 CC also be prepared from antibiotics or antiarrhythmic agents. The analogues
 CC may be used therapeutically or to coat medical devices; also they are
 CC useful as surface disinfectants, as additives to shampoo or soaps, as
 CC insecticides or herbicides, or as preservatives for foods and technical
 CC materials. The analogues are administered by injection, lavage, orally
 CC or topically, generally at 0.1-50 mg/kg. These analogues have a broader
 CC spectrum of activity than indolicidin and modification as compounds
 CC reduces their toxicity.
 XX
 Sequence 13 AA:
 XX
 Query Match 39.9%; Score 73; DB 19; Length 13;
 Best Local Similarity 100.0%; Pred. No. 0.032;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 RRPWPPWPW 9
 |||||||||
 Db 2 rrwpwwpwk 10
 -
 RESULT 13
 AAY9175 standard; Peptide; 13 AA.
 XX
 AC AAY9175;
 XX
 DT 06-JUN-2000 (first entry)
 XX
 DE Amino acid sequence of cationic peptide MBI 11CNR.
 XX
 KW Cationic Peptide; tumour; pharmaceutical composition; cancer; treatment;
 KW leukemia; polyoxyalkylene-modified; AAO; lymphoma; multiple myeloma;
 KW breast; lung; ovary; cervix; uterus; skin; prostate; liver; colon;
 KW multidrug resistance;
 OS Synthetic.
 XX
 PS Park H, Sprinzl M;
 XX
 Query Match 39.9%; Score 73; DB 21; Length 13;
 Best Local Similarity 100.0%; Pred. No. 0.032;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 RRPWPPWPW 9
 |||||||||
 Db 2 rrwpwwpwk 10
 -
 RESULT 14
 AAR31891
 ID AAR31891 standard; Protein; 248 AA.
 XX
 AC AAR31891;
 XX
 DT 03-JUN-1993 (first entry)
 XX
 DE T.thermophilus HBB 26.8kD NADH-oxidase.
 XX
 KW ATCC 27334; reduced Nicotinamide Adenine Dinucleotide;
 KW bio-sensor; EC 1.6.99.3; ss.
 XX
 OS Thermus thermophilus.
 XX
 FH Key location/qualifiers
 FT Region 1..33
 AC /note= "directly sequenced from purified protein"
 XX
 PN DE4221830-A.
 XX
 PD 28-JAN-1993.
 XX
 PF 03-JUL-1992; 92DE-4221830.
 XX
 PR 25-JUL-1991; 91DE-4124746.
 XX
 PA (GBFB) GBF GES BIOTECH FORSCHUNG GMBH.
 XX
 PI Park H, Sprinzl M;

